VIVOTEK

FD8377-HTV
FD8377-EHTV

Fixed Dome Network Camera

4MP 30fps • SNV • WDR Pro • Smart Stream II • Smart IR II • 30M IR • IP66 • IK10

VIVOTEK's FD8377-(E)HTV is a series of outdoor dome network cameras equipped with a 4MP sensor enabling resolution of 2688x1520 at 30 fps. Featuring VIVOTEK SNV and WDR Pro technology, the FD8377-(E)HTV series is capable of capturing high quality images whether in high contrast or low light environments.

The FD8377-(E)HTV series includes a remote focus lens for different monitoring range demands and is equipped with 30-meter IR illuminators for improved night visibility. For harsh outdoor environments, the FD8377-(E)HTV series is encased in an IP66 and IK10-rated housing, capable of operating from -50°C to 50°C (FD8377-EHTV).

Through employing VIVOTEK's Smart Stream II technology, the FD8377-(E)HTV series provides great image quality while still maintaining low bandwidth. Additionally, VADP (VIVOTEK Application Development Platform) allows users to add customized applications for various user scenarios.

Key Features

- 30 fps @ 2688x1520
- Real-time H.264, MJPEG Compression (Dual Codec)
- 2.8 ~ 12 mm, Remote Focus, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- IR Illuminators up to 30M with Smart IR II
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments (supports up to 3.6MP, 24 fps @ 2560x1440)
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Noise Reduction
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage

Technical Specifications

Model	FD8377-HTV: Vari-focal, Remote Focus FD8377-EHTV: Vari-focal, Remote Focus, -50°C ~ 50°C

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	2688x1520
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 2.8 ~ 12 mm
Aperture	F1.4 ~ F2.8
Auto-iris	P-iris
Field of View	32° ~ 93° (Horizontal) 18° ~ 50° (Vertical) 37° ~ 110° (Diagonal)
Shutter Time	1/5 sec. to 1/16,000 sec.
WDR Technology	WDR Pro (supports up to 3.6MP, 24 fps @ 2560x1440)
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W) 0 Lux with IR illumination on
Pan Range	353°
Tilt Range	80°
Rotation Range	180°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in,12x built in)
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR II, IR LED*4
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H264, MJPEG
Maximum Frame Rate	30 fps @ 2688x1520 (WDR Pro off) 24 fps @ 2560x1440 (WDR Pro on)
Maximum Streams	3 simultaneous streams
S/N Ratio	68 dB
Dynamic Range	110 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control; Smart Stream II

Image Settings	Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24); Scheduled profile settings, defog, 3DNR, HLC, AE speed, video rotation

Audio

Audio Capability	Two-way audio
Compression	G.711, G.726
Interface	External microphone input External line output

Network

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, advanced motion detection, MicroSD card life expectancy
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card

General

Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V Digital input *1 Digital output *1
LED Indicator	System power and status indicator
Power Input	FD8377-HTV: DC 12V, IEEE 802.3af PoE Class 0 FD8377-EHTV: DC 12V, IEEE 802.3at PoE Class 4
Power Consumption	FD8377-HTV: Max. 11 W FD8377-EHTV: Max. 23 W
Dimensions	Ø 155 x 104 mm
Weight	862 g
Casing	IP66, IK10
Safety Certifications	CE, FCC Class A, VCCI, C-Tick, UL

Technical Specifications

Operating Temperature	FD8377-HTV: Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) FD8377-EHTV: Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F)
Humidity	90%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 8/7 Mac 10.12(Chrome only)
Web Browser	Chrom 58.0 Internet Explorer 10/11
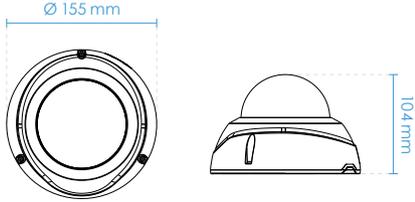
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

Included Accessories

Others	Quick installation guide, warranty card, screw pack, alignment sticker

Dimensions

Ø 155 mm

104 mm

Compatible Accessories

Mounting Kits

AM-21A L-shape Bracket	AM-51C Adapting Plate	AM-525 Mounting Adapter	AM-713(v01) Outdoor Conduit Box